Amendments to the Specification:

Please replace the paragraph beginning at page 8, line 6, with the following rewritten paragraph:

Fig. 2A depicts a block diagram of a host computer system ~~10~~ 210 suitable for implementing a particular embodiment according to the present invention. This diagram is merely an illustration and should not limit the scope of the claims herein. One of ordinary skill in the art would recognize other variations, modifications, and alternatives. Fig. 2A illustrates a host computer system 210 including a bus 212 which interconnects major subsystems such as a central processor 214, a system memory 216 (typically RAM), an input/output (I/O) adapter 218, an external device such as a display screen 224 via a display adapter 226, a keyboard 232 and a mouse 234 via an I/O adapter 218, a SCSI host adapter 236, and a removable disk drive 238 operative to receive a removable disk 240. SCSI host adapter 236 may act as a storage interface to a fixed disk drive 242 or a CD-ROM player 244 operative to receive a CD-ROM 246. Fixed disk [[244]] 242 may be a part of host computer system 210 or may be separate and accessed through other interface systems. A network interface 248 may provide a direct connection to a remote server via a telephone link or to the Internet. Network interface 248 may also connect to a local area network (LAN) or other network interconnecting many computer systems. Many other devices or subsystems (not shown) may be connected in a similar manner.

Please replace the paragraph beginning at page 3, line 16, with the following rewritten paragraph:

In many embodiments, the experimental result information can be entered in a format that can provide cross platform use and sharing of the information. One such format is Genetic Analysis Technology Consortium ("GATC"), a standard for genomic databases provided by Molecular Dynamics, of Hayward, CA, and Affymetrix, Inc., of Santa Clara, CA. ~~Reference may be had to http://www.gatconsortium.org for further information about GATC.~~ However, many embodiments can use other standard formats, such as those commonly known in the art.

Please replace the paragraph beginning at page 10, line 14, with the following rewritten paragraph:

Fig. 4A illustrates a representative a database structure in a particular embodiment according to the present invention. This diagram is merely an illustration and should not limit the scope of the claims herein. One of ordinary skill in the art would recognize other variations, modifications, and alternatives. Fig. 4A illustrates a client work station 401, which can be one of the workstations 210 of Fig. 2B, for example, that can be interconnected with one or more of a plurality of databases. For example, GATC database 403 contains a plurality of gene chip results in GATC format. GATC format provides a standardized interface for gene chip data across multiple systems. ~~Reference may be had to http://www. gatconsortium.org for documents entitled, "Software Specifications" and "Database Schema," incorporated herein by reference in its entirety for all purposes, for further information about GATC.~~ Database 405 provides data mining information, and can include FAQs and preferences. Database 407 comprises annotations, descriptions and URLs for gene information. Embodiments can include all of the above databases, or can comprise a subset of the databases, or still further can include other databases without departing from the scope of the claimed invention.

Please replace the paragraph beginning at page 17, line 17, with the following rewritten paragraph:

Fig. 9A illustrates a queries display screen in a particular embodiment according to the present invention. This diagram is merely an illustration and should not limit the scope of the claims herein. One of ordinary skill in the art would recognize other variations, modifications, and alternatives. Fig. 9A illustrates name saved queries screen 901 having a display area for a plurality of filters. Users can define filters to the system and save them along with a reference name, that is displayed by screen 901. Filters can be saved to data mining information database ~~304~~ 405 for later use.

Please replace the paragraph beginning at page 19, line 9, with the following rewritten paragraph:

Fig. 10B illustrates a FAQ display selection screen in a particular embodiment according to the present invention. This diagram is merely an illustration and should not limit the scope of the claims herein. One of ordinary skill in the art would recognize other variations, modifications, and alternatives. Fig. 10B illustrates a FAQ selection screen 1008 having a plurality of frequently used searches. A user can perform one of the searches by simply selecting the desired search. A dialog screen 1010 can be displayed to the user upon selection of a particular FAQ. Dialog screen 1010 provides a plurality of questions that the user can answer in order to define the selected search. In a presently preferable embodiment, FAQs can be stored in data mining information database ~~306~~ 405. Questions associated with a particular query, English translations and SQL statements can also be stored in the database with the FAQ.

Please replace the abstract beginning at page 26, line 2, with the following rewritten paragraph:

~~According to an embodiment of the present invention, a~~ A computer based method for managing information about a plurality of experiments conducted on a plurality of samples is provided. Each experiment provides an indication of a degree of expression of particular genetic sequences in a sample. The method includes a variety of steps such as registering at least one of the plurality of samples with a centralized database. The method then includes steps of tracking a plurality of information about the samples and tracking a plurality of information about the experiments. A step of producing a sample history about the plurality of samples from the plurality of information is also a part of the method. The method filters the information about the experiments and the information about the samples according to filters selected by a user. The information is made available for publishing to a variety of targets such as a public database. ~~The combination of these steps can provide a web based user interface to the user to enable the user to access the information~~.